Name of Work: Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Measurement Recorded On: 20/8/20 - 23/8/20

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means :B. Cement Concrete Grade M-15 & M-20						
	CC Road						
	Thirumenahalli Colony						
	2nd Street						
	Ch:0.00m to 30.00m	1	30.00	(4.30 + 5.00)/2	0.25	34.88	
	Ch:30.00m to 60.00m	1	30.00	(5.00 + 6.00)/2	0.25	41.25	
	Ch:60.00m to 63.30m	1	3.30	(6.00 + 6.00)/2	0.25	4.95	
	Centre						
	Ch:0.00m to 7.10m	1	7.10	(4.50 + 4.50)/2	0.25	7.99	
	Continue						
	Ch:0.00m to 30.00m	1	30.00	(4.30 + 4.40)/2	0.25	32.63	
	Ch:30.00m to 60.00m	1	30.00	(4.40 + 4.50)/2	0.25	33.38	
	Ch:60.00m to 63.00m	1	3.00	(4.50 + 4.50)/2	0.25	3.38	
	Cross Rd(2nd Street To 3rd Street)						
	Ch:0.00m to 19.80m	1	19.80	(3.60 + 3.90)/2	0.25	18.56	
	3rd Street						
	Ch:0.00m to 9.70m	1	9.70	(5.00 + 4.60)/2	0.25	11.64	
	Continue						
	Ch:0.00m to 22.00m	1	22.00	(3.70 + 4.20)/2	0.25	21.73	
	Cross Rd(4th Street To 5th Street)						
	Ch:0.00m to 30.00m	1	30.00	(4.40 + 4.30)/2	0.25	32.63	
	Ch:30.00m to 32.30m	1	2.30	(4.30 + 4.30)/2	0.25	2.47	

NEWZEN CONSULTANT Consultant Bangalore

21/8/20
Asst. Engineer

21/8/20
Asst. Exec. Engineer,

Scanned by TapScanner

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit
	4th Street								
	Ch.0.00m to 30.00m	1	30.00	4.50	+	4.90	0.25	35.25	
				2					
	Ch.30.00m to 51.10m	1	21.10	4.90	+	5.50	0.25	27.43	
				2					
	5th Street								
	Ch:0.00m to 30.00m	1	30.00	4.60	+	4.35	0.25	33.56	
				2					
	Ch:30.00m to 60.00m	1	30.00	4.35	+	4.50	0.25	33.19	
				2					
	Ch:60.00m to 90.00m	1	30.00	4.50	+	4.40	0.25	33.38	
				2					
	Ch:90.00m to 101.40m	1	11.40	4.40	+	4.50	0.25	12.68	
				2					
	Cross Rd								
	Ch:0.00m to 30.00m	1	30.00	5.20	+	3.00	0.20	24.60	
				2					
	Ch:30.00m to 50.10m	1	20.10	3.00	+	3.00	0.20	12.06	
				2					
	Kogilu Layout								
	5th Cross Rd(Left Side)								
	Cross Rd-1								
	Ch:0.00m to 15.00m	1	15.00	3.50	+	3.50	0.25	13.13	
				2					
	Ch:15.00m to 23.40m	1	8.40	3.50	+	4.70	0.25	8.61	
				2					
	Cross Rd-2								
	Ch:0.00m to 15.00m	1	15.00	3.20	+	3.20	0.25	12.00	
				2					
	Ch:15.00m to 30.00m	1	15.00	3.20	+	3.20	0.25	12.00	
				2					
	Ch:30.00m to 38.50m	1	8.50	3.20	+	3.30	0.25	6.91	
				2					
							Present Qty	**510.25**	**Cum**

22/8/20

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer 23/8/20

Asst. Exec. Engineer, 23/8/2020

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement 3/9/20 - 15/9/20

em do	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means.						
	RCC DRAIN						
	Thirumenahalli Colony						
	2nd Street						
	RHS(From Main Rd)						
	Ch:0.00m to 22.20m	1	22.20	1.00	1.10	24.42	
	Culvert Gap						
	Ch:22.20m to 52.20m	1	30.00	1.00	1.10	33.00	
	Ch:52.20m to 62.70m	1	10.50	1.00	1.10	11.55	
	Upto Culvert						
	Continue						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.10	36.30	
	Ch:30.00m to 60.00m	1	30.00	1.10	1.10	36.30	
	Ch:60.00m to 62.90m	1	2.90	1.10	1.10	3.51	
	Upto Culvert						
	LHS(From Dead End)						
	Ch:0.00m to 19.80m	1	19.80	1.10	1.10	23.96	
	Ch:19.80m to 21.80m	1	2.00	1.10	1.10	2.42	
	Cross Rd(2nd Street To 3rd Street)						
	LHS(From 2nd Street)						
	Ch:0.00m to 22.50m	1	22.50	1.10	1.00	24.75	
	RHS(From 2nd Street)						
	Ch:0.00m to 19.50m	1	19.50	1.10	1.00	21.45	
	3rd Street						
	Ch:0.00m to 6.20m	1	6.20	1.10	1.10	7.50	
	Culvert Gap						
	Ch:6.20m to 28.20m	1	22.00	1.10	1.10	26.62	
	Cross Rd(4th Street To 5th Street)						
	LHS(From 4th Street)						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.10	36.30	
	5th Street						
	LHS(From Main Rd)						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.10	36.30	
	Ch:30.00m to 60.00m	1	30.00	1.10	1.10	36.30	

Consultant

Assistant Engineer

Asst. Executive Engineer.

Scanned by TapScanner

th No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:60.00m to 90.00m	1	30.00	1.10	1.10	36.30	
	Ch:90.00m to 102.40m	1	12.40	1.10	1.10	15.00	
	Ch:102.40m to 108.20m	1	5.80	1.10	1.10	7.02	
	RHS(From Main Rd)						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.10	36.30	
	Ch:30.00m to 54.30m	1	24.30	1.10	1.10	29.40	
	Culvert Gap						
	Ch:54.30m to 84.30m	1	30.00	1.10	1.10	36.30	
	Ch:84.30m to 90.10m	1	5.80	1.10	1.10	7.02	
	Upto Culvert						
	Cross Rd(Z-Shape)						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.10	36.30	
	Ch:30.00m to 31.10m	1	1.10	1.10	1.10	1.33	
	Ch:31.10m to 42.10m	1	11.00	1.10	1.10	13.31	
	Ch:42.10m to 44.20m	1	2.10	1.10	1.10	2.54	
	Ch:44.20m to 61.70m	1	17.50	1.10	1.10	21.18	
	Ch:61.70m to 91.70m	1	30.00	1.10	1.10	36.30	
	Ch:91.70m to 112.00m	1	20.30	1.10	1.10	24.56	
	Cross Rd(L-Shape)						
	Ch:0.00m to 13.70m	1	13.70	1.10	1.10	16.58	
	Opp to 2nd Street						
	Ch:0.00m to 30.00m	1	30.00	1.10	1.10	36.30	
	Ch:30.00m to 49.00m	1	19.00	1.10	1.10	22.99	
	Drain Desilt						
	Cross Rd						
	LHS						
	Ch:0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
	Ch:30.00m to 36.40m	1	6.40	0.60	0.60	2.30	
	RHS						
	Ch:0.00m to 30.00m	1	30.00	0.60	0.60	10.80	
	Ch:30.00m to 50.10m	1	20.10	0.60	0.60	7.24	
	Culvert						
	Cross Rd(2nd Street To 3rd Street)	1	3.80	1.50	1.10	6.27	
	3rd Street	1	3.80	1.50	1.10	6.27	
	4th Street	1	6.20	1.50	1.10	10.23	
	5th Street RHS	1	4.30	1.50	1.10	7.10	
	5th Street RHS	1	6.80	1.50	1.10	11.22	
					Present Qty	**811.63**	**Cum**

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst. Executive Engineer,

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement 18/12/20 — 20/12/20

Description of Item	No	Length	Breadth	Depth	Qty	Unit
KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.						
RCC DRAIN						
Thirumenahalli Colony						
2nd Street						
RHS(From Main Rd)						
Ch:0.00m to 22.20m	1	22.20	1.00	0.15	3.33	
Culvert Gap						
Ch:22.20m to 52.20m	1	30.00	1.00	0.15	4.50	
Ch:52.20m to 62.70m	1	10.50	1.00	0.15	1.58	
Upto Culvert						
Continue						
Ch:0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
Ch:30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
Ch:60.00m to 62.90m	1	2.90	1.10	0.15	0.48	
Upto Culvert						
LHS(From Dead End)						
Ch:0.00m to 19.80m	1	19.80	1.10	0.15	3.27	
Ch:19.80m to 21.80m	1	2.00	1.10	0.15	0.33	
Cross Rd(2nd Street To 3rd Street)						
LHS(From 2nd Street)						
Ch:0.00m to 22.50m	1	22.50	1.10	0.15	3.71	
RHS(From 2nd Street)						
Ch:0.00m to 19.50m	1	19.50	1.10	0.15	3.22	
3rd Street						
Ch:0.00m to 6.20m	1	6.20	1.10	0.15	1.02	
Culvert Gap						
Ch:6.20m to 28.20m	1	22.00	1.10	0.15	3.63	
Cross Rd(4th Street To 5th Street)						
LHS(From 4th Street)						
Ch:0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
5th Street						
LHS(From Main Rd)						

18/12/20

C/FC

18/12/20

NEWZEN CONSULTANT Consultant Bangalore

13/12/20
Assistant Engineer

13/12/20
Asst. Executive Engineer.

Scanned by TapScanner

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch:30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
	Ch:60.00m to 90.00m	1	30.00	1.10	0.15	4.95	
	Ch:90.00m to 102.40m	1	12.40	1.10	0.15	2.05	
	Ch:102.40m to 108.20m	1	5.80	1.10	0.15	0.96	
	RHS(From Main Rd)						
	Ch:0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch:30.00m to 54.30m	1	24.30	1.10	0.15	4.01	
	Culvert Gap						
	Ch:54.30m to 84.30m	1	30.00	1.10	0.15	4.95	
	Ch:84.30m to 90.10m	1	5.80	1.10	0.15	0.96	
	Upto Culvert						
	Cross Rd(Z-Shape)						
	Ch:0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch:30.00m to 31.10m	1	1.10	1.10	0.15	0.18	
	Ch:31.10m to 42.10m	1	11.00	1.10	0.15	1.82	
	Ch:42.10m to 44.20m	1	2.10	1.10	0.15	0.35	
	Ch:44.20m to 61.70m	1	17.50	1.10	0.15	2.89	
	Ch:61.70m to 91.70m	1	30.00	1.10	0.15	4.95	
	Ch:91.70m to 112.00m	1	20.30	1.10	0.15	3.35	
	Cross Rd(L-Shape)						
	Ch:0.00m to 13.70m	1	13.70	1.10	0.15	2.26	
	Opp to 2nd Street						
	Ch:0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch:30.00m to 49.00m	1	19.00	1.10	0.15	3.14	
	Culvert						
	Cross Rd(2nd Street To 3rd Street)	1	3.80	1.50	0.15	0.86	
	3rd Street	1	3.80	1.50	0.15	0.86	
	4th Street	1	6.20	1.50	0.15	1.40	
	5th Street RHS	1	4.30	1.50	0.15	0.97	
	5th Street RHS	1	6.80	1.50	0.15	1.53	
					Present Qty	**107.06**	**Cum**

NEWZEN CONSULTANT Consultant Bangalore

20/12/20

Assistant Engineer

Scanned by TapScanner

Name of Work: **Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05**

Detailed Measurements

Date of Pre-Measurement : 8/2/21 — 10/3/21

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm						
	Raft						
	RCC DRAIN						
	Thirumenahalli Colony						
	2nd Street						
	RHS(From Main Rd)						
	Ch:0.00m to 22.20m	1	22.20	0.80	0.15	2.66	
	Culvert Gap						
	Ch:22.20m to 52.20m	1	30.00	0.80	0.15	3.60	
	Ch:52.20m to 62.70m	1	10.50	0.80	0.15	1.26	
	Upto Culvert						
	Continue						
	Ch:0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch:30.00m to 60.00m	1	30.00	0.90	0.15	4.05	
	Ch:60.00m to 62.90m	1	2.90	0.90	0.15	0.39	
	Upto Culvert						
	LHS(From Dead End)						
	Ch:0.00m to 19.80m	1	19.80	0.90	0.15	2.67	
	Ch:19.80m to 21.80m	1	2.00	0.90	0.15	0.27	
	Cross Rd(2nd Street To 3rd Street)						
	LHS(From 2nd Street)						
	Ch:0.00m to 22.50m	1	22.50	0.90	0.15	3.04	
	RHS(From 2nd Street)						
	Ch:0.00m to 19.50m	1	19.50	0.90	0.15	2.63	
	3rd Street						
	Ch:0.00m to 6.20m	1	6.20	0.90	0.15	0.84	
	Culvert Gap						
	Ch:6.20m to 28.20m	1	22.00	0.90	0.15	2.97	
	Cross Rd(4th Street To 5th Street)						
	LHS(From 4th Street)						
	Ch:0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	5th Street						

BEWZEN CONSULTANT Bangalore Consultant

15/2/21 Assistant Engineer

Asst. Executive Engineer. 15/2/21

Scanned by TapScanner

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	LHS(From Main Rd)						
	Ch 0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch 30.00m to 60.00m	1	30.00	0.90	0.15	4.05	
	Ch 60.00m to 90.00m	1	30.00	0.90	0.15	4.05	
	Ch 90.00m to 102.40m	1	12.40	0.90	0.15	1.67	
	Ch 102.40m to 108.20m	1	5.80	0.90	0.15	0.78	
	RHS(From Main Rd)						
	Ch 0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch.30.00m to 54.30m	1	24.30	0.90	0.15	3.28	
	Culvert Gap						
	Ch 54.30m to 84.30m	1	30.00	0.90	0.15	4.05	
	Ch 84.30m to 90.10m	1	5.80	0.90	0.15	0.78	
	Upto Culvert						
	Cross Rd(Z-Shape)						
	Ch:0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch 30.00m to 31.10m	1	1.10	0.90	0.15	0.15	
	Ch 31.10m to 42.10m	1	11.00	0.90	0.15	1.49	
	Ch 42.10m to 44.20m	1	2.10	0.90	0.15	0.28	
	Ch.44.20m to 61.70m	1	17.50	0.90	0.15	2.36	
	Ch 61.70m to 91.70m	1	30.00	0.90	0.15	4.05	
	Ch 91.70m to 112.00m	1	20.30	0.90	0.15	2.74	
	Cross Rd(L-Shape)						
	Ch:0.00m to 13.70m	1	13.70	0.90	0.15	1.85	
	Opp to 2nd Street						
	Ch:0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch.30.00m to 49.00m	1	19.00	0.90	0.15	2.57	
	Drain Wall						
	RCC DRAIN						
	Thirumenahalli Colony						
	2nd Street						
	RHS(From Main Rd)						
	Ch:0.00m to 22.20m	2	22.20	0.15	0.60	4.00	
	Culvert Gap						
	Ch:22.20m to 52.20m	2	30.00	0.15	0.60	5.40	
	Ch:52.20m to 62.70m	2	10.50	0.15	0.60	1.89	
	Upto Culvert						
	Continue						
	Ch:0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	Ch:30.00m to 60.00m	2	30.00	0.15	0.60	5.40	
	Ch:60.00m to 62.90m	2	2.90	0.15	0.60	0.52	
	Upto Culvert						
	LHS(From Dead End)						
	Ch:0.00m to 19.80m	2	19.80	0.15	0.60	3.56	

Contractor

ONEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst. Executive Engineer,

Scanned by TapScanner

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:19.80m to 21.80m	2	2.00	0.15	0.60	0.36	
	Cross Rd(2nd Street To 3rd Street)						
	LHS(From 2nd Street)						
	Ch:0.00m to 22.50m	2	22.50	0.15	0.60	4.05	
	RHS(From 2nd Street)						
	Ch:0.00m to 19.50m	2	19.50	0.15	0.60	3.51	
	3rd Street						
	Ch:0.00m to 6.20m	2	6.20	0.15	0.60	1.12	
	Culvert Gap						
	Ch:6.20m to 28.20m	2	22.00	0.15	0.60	3.96	
	Cross Rd(4th Street To 5th Street)						
	LHS(From 4th Street)						
	Ch:0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	5th Street						
	LHS(From Main Rd)						
	Ch:0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	Ch:30.00m to 60.00m	2	30.00	0.15	0.60	5.40	
	Ch:60.00m to 90.00m	2	30.00	0.15	0.60	5.40	
	Ch:90.00m to 102.40m	2	12.40	0.15	0.60	2.23	
	Ch:102.40m to 108.20m	2	5.80	0.15	0.60	1.04	
	RHS(From Main Rd)						
	Ch:0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	Ch:30.00m to 54.30m	2	24.30	0.15	0.60	4.37	
	Culvert Gap						
	Ch:54.30m to 84.30m	2	30.00	0.15	0.60	5.40	
	Ch:84.30m to 90.10m	2	5.80	0.15	0.60	1.04	
	Upto Culvert						
	Cross Rd(Z-Shape)						
	Ch:0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	Ch:30.00m to 31.10m	2	1.10	0.15	0.60	0.20	
	Ch:31.10m to 42.10m	2	11.00	0.15	0.60	1.98	
	Ch:42.10m to 44.20m	2	2.10	0.15	0.60	0.38	
	Ch:44.20m to 61.70m	2	17.50	0.15	0.60	3.15	
	Ch:61.70m to 91.70m	2	30.00	0.15	0.60	5.40	
	Ch:91.70m to 112.00m	2	20.30	0.15	0.60	3.65	
	Cross Rd(L-Shape)						
	Ch:0.00m to 13.70m	2	13.70	0.15	0.60	2.47	
	Opp to 2nd Street						
	Ch:0.00m to 30.00m	2	30.00	0.15	0.60	5.40	
	Ch:30.00m to 49.00m	2	19.00	0.15	0.60	3.42	
					Present Qty	**194.55**	**Cum**

Consultant

Assistant Engineer

Asst. Executive Engineer,

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement :

	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary. with necessary scaffolding, form work etc., including cost of labour, HOM curing etc., complete						
	Culvert Raft						
	Cross Rd(2nd Street To 3rd Street)	1	3.80	1.20	0.20	0.91	
	3rd Street	1	3.80	1.20	0.20	0.91	
	4th Street	1	6.20	1.20	0.20	1.49	
	5th Street RHS	1	4.30	1.20	0.20	1.03	
	5th Street RHS	1	6.80	1.20	0.20	1.63	
	Culvert Wall						
	Cross Rd(2nd Street To 3rd Street)	2	3.80	0.23	0.60	1.05	
	3rd Street	2	3.80	0.23	0.60	1.05	
	4th Street	2	6.20	0.23	0.60	1.71	
	5th Street RHS	2	4.30	0.23	0.60	1.19	
	5th Street RHS	2	6.80	0.23	0.60	1.88	
					Present Qty	**12.85**	**Cum**

CAFC 15/3/24

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer 15/3/24

Asst. Executive Engineer, 15/3/24

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Item No	Date of Measurement : Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1						
	Culvert Raft						
	Cross Rd(2nd Street To 3rd Street)	2	3.80		0.20	1.52	
	3rd Street	2	3.80		0.20	1.52	
	4th Street	2	6.20		0.20	2.48	
	5th Street RHS	2	4.30		0.20	1.72	
	5th Street RHS	2	6.80		0.20	2.72	
					Present Qty	**9.96**	**Sqm**

16/3/2021

Contractor

NEWZEN CONSULTANT Consultant Bangalore

16/3/21

Assistant Engineer

16/3/2021

Asst. Executive Engineer,

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Item No	Date of Measurement / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	KSRB 4-6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1						
	Thirumenahalli Colony						
	Culvert Wall						
	Cross Rd(2nd Street To 3rd Street)	4	3.80		0.60	9.12	
	3rd Street	4	3.80		0.60	9.12	
	4th Street	4	6.20		0.60	14.88	
	5th Street RHS	4	4.30		0.60	10.32	
	5th Street RHS	4	6.80		0.60	16.32	
					Present Qty	**59.76**	**Sqm**

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst. Executive Engineer,

Scanned by TapScanner

Name of Work:Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Date of Pre-Measurement : 20/1/24 — 5/2/24

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.						
	Thirumenahalli Colony						
	2nd Street						
	RHS(From Main Rd)						
	Total Drain length=62.7m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=627.00Nos	627	1.90		0.61	726.69	
	Distribution bar						
	Distribution bar 10mm dia @ 160mm						
	0.61kg/mtr	10	62.70		0.61	382.47	
	Continue						
	Total Drain length=62.9m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=629.00Nos	629	2.00		0.61	767.38	
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr	11	62.90		0.61	422.06	
	Cross Rd(2nd Street To 3rd Street)						
	LHS(From 2nd Street)						
	Total Drain length=50.7m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=507.00Nos	507	2.00		0.61	618.54	
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr	11	50.70		0.61	340.20	
	LHS(From Dead End)						
	Total Drain length=21.8m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=218.00Nos	218	2.10		0.61	279.26	

Contractor

NEWZEN CONSULTANT Consultant Bangalore

22/1/24
Assistant Engineer

22/1/24
Asst. Executive Engineer,

Scanned by TapScanner

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr	11	21.80		0.61	146.28	
	Cross Rd(2nd Street To 3rd Street)						
	LHS(From 2nd Street)						
	Total Drain length=22.5m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=225.00Nos	225	2.00		0.61	274.50	
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr	11	22.50		0.61	150.98	
	RHS(From 2nd Street)						
	Total Drain length=19.5m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=195.00Nos	195	2.05		0.61	243.85	
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr	11	19.50		0.61	130.85	
	3rd Street						
	Total Drain length=28.2m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=282.00Nos	282	2.00		0.61	344.04	
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr,	11	28.20		0.61	189.22	
	Cross Rd(4th Street To 5th Street)						
	LHS(From 4th Street)						
	Total Drain length=30m						
	Main bar 10mm dia bar @ 110mm						
	0.61kg/mtr						
	No of U-bar=300.00Nos	300	2.10		0.61	384.30	
	Distribution bar						
	Distribution bar 10mm dia @ 180mm						
	0.61kg/mtr	11	30.00		0.61	201.30	
	5th Street						
	LHS(From Main Rd)						
	Total Drain length=108.2m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst Executive Engr

Scanned by TapScanner

Description of Item	No	Length	Breadth	Depth	Qty	Unit
No of U-bar 1368.00Nos	1368	2.00		0.61	1669.92	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	11	108.20		0.61	726.02	
Cross Rd(From Main Rd)						
Total Drain length=108.20m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=901.00Nos	901	2.00		0.61	1099.22	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	11	90.10		0.61	604.57	
Cross Rd(T-Shape)						
Total Drain length=112m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1120.00Nos	1120	2.00		0.61	1366.40	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	11	112.00		0.61	751.52	
Cross Rd(L-Shape)						
Total Drain length=13.7m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=137.00Nos	137	2.10		0.61	175.50	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	11	13.70		0.61	91.93	
Opp to 2nd Street						
Total Drain length=49.00m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=490.00Nos	490	2.10		0.61	627.69	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	11	49.00		0.61	328.79	
Culvert						
Total Culvert length=24.9m						
Main bar 12mm dia bar @ 150mm						
0.89kg/mtr, Double mat						
No of U-bar=332.00Nos	332	2.40		0.89	709.15	
Distribution bar						
Distribution bar 10mm dia @200mm						

NEWZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst. Executive Engineer

Scanned by TapScanner

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	10 mm dia 1.61kg mtr, Double mat	26	24.90		0.61	394.91	
						13797.65	Kgs
					Present Qty	**13.80**	**Ton**

Consultant

NEWZEN CONSULTANTS Bangalore

3/2/24

Assistant Engineer

3/2/24

Asst. Executive Engineer,

Scanned by TapScanner

Name of Work: Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Measurement Recorded On:

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
14	ASRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406						
	1 GD Line						
	Thirumenahalli Colony						
	2nd Street						
	Ch:0.00m to 30.00m	1	30.00	1.00 + 1.00 / 2	0.20	6.00	
	Ch:30.00m to 60.00m	1	30.00	1.00 + 0.95 / 2	0.20	5.85	
	Ch:60.00m to 63.30m	1	3.30	0.95 + 1.10 / 2	0.20	0.68	
	Centre						
	Ch:0.00m to 7.10m	1	7.10	0.65 + 0.80 / 2	0.20	1.03	
	Continue						
	Ch:0.00m to 30.00m	1	30.00	1.00 + 1.00 / 2	0.20	6.00	
	Ch:30.00m to 60.00m	1	30.00	1.00 + 0.95 / 2	0.20	5.85	
	Ch:60.00m to 63.00m	1	3.00	0.95 + 1.10 / 2	0.20	0.62	
	5th Street						
	Ch:0.00m to 30.00m	1	30.00	1.00 + 1.10 / 2	0.20	6.30	
	Ch:30.00m to 60.00m	1	30.00	1.10 + 0.95 / 2	0.20	6.15	
	Ch:60.00m to 90.00m	1	30.00	0.95 + 1.20 / 2	0.20	6.45	
	Ch:90.00m to 101.40m	1	11.40	1.20 + 1.00 / 2	0.20	2.51	
	Kogilu Layout						
	5th Cross Rd(Left Side)						
	Cross Rd-1						

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer 10/3/24

Asst. Exec. Engineer 10/3/24

Scanned by TapScanner

Description of Item	No	Length	Breadth			Depth	Qty	Unit
Ch.0.00m to 15.00m	1	15.00	1.00	+	0.95	0.20	2.93	
			2					
Ch 15.00m to 23.40m	1	8.40	0.95	+	1.00	0.20	1.64	
			2					
Cross Rd-2								
Ch 0.00m to 15.00m	1	15.00	0.90	+	1.00	0.20	2.85	
			2					
Ch 15.00m to 30.00m	1	15.00	1.00	+	0.95	0.20	2.93	
			2					
Ch 30.00m to 38.50m	1	8.50	1.00	+	0.95	0.20	1.66	
			2					
						Present Qty	**59.42**	**Cum**
						Upto 125%	**57.50**	**Cum**
						Above 125%	**1.92**	**Cum**

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

Asst. Exec. Engineer

Scanned by TapScanner

Name of Work: Improvements to Roads and Drains At Thirumenahalli Colony In Ward no.05

Detailed Measurements

Measurement Recorded On: 23/2/24 — 27/2/24

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit
	KSR/RB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5							
	CC Road							
	Thirumenahalli Colony							
	2nd Street							
	Ch.0.00m to 30.00m	1	30.00	(4.30 + 5.00)/2		0.15	20.93	
	Ch.30.00m to 60.00m	1	30.00	(5.00 + 6.00)/2		0.15	24.75	
	Ch.60.00m to 63.30m	1	3.30	(6.00 + 6.00)/2		0.15	2.97	
	Centre							
	Ch.0.00m to 7.10m	1	7.10	(4.50 + 4.50)/2		0.15	4.79	
	Continue							
	Ch.0.00m to 30.00m	1	30.00	(4.30 + 4.40)/2		0.15	19.58	
	Ch.30.00m to 60.00m	1	30.00	(4.40 + 4.50)/2		0.15	20.03	
	Ch.60.00m to 63.00m	1	3.00	(4.50 + 4.50)/2		0.15	2.03	
	Cross Rd(2nd Street To 3rd Street)							
	Ch.0.00m to 19.80m	1	19.80	(3.60 + 3.90)/2		0.15	11.14	
	3rd Street							
	Ch.0.00m to 9.70m	1	9.70	(5.00 + 4.60)/2		0.15	6.98	
	Continue							
	Ch.0.00m to 22.00m	1	22.00	(3.70 + 4.20)/2		0.15	13.04	
	Cross Rd(4th Street To 5th Street)							

NEWZEN CONSULTANT Consultant Bangalore

25/2/24
Asst. Engineer

25/2/24
Asst. Exec. Engineer

Scanned by TapScanner

Discription of Item	No	Length	Breadth			Depth	Qty	Unit
Ch:0.00m to 30.00m	1	30.00	4.40	+	4.30	0.15	19.58	
			2					
Ch:30.00m to 32.30m	1	2.30	4.30	+	4.30	0.15	1.48	
			2					
4th Street								
Ch:0.00m to 30.00m	1	30.00	4.50	+	4.90	0.15	21.15	
			2					
Ch:30.00m to 51.10m	1	21.10	4.90	+	5.50	0.15	16.46	
			2					
5th Street								
Ch:0.00m to 30.00m	1	30.00	4.60	+	4.35	0.15	20.14	
			2					
Ch:30.00m to 60.00m	1	30.00	4.35	+	4.50	0.15	19.91	
			2					
Ch:60.00m to 90.00m	1	30.00	4.50	+	4.40	0.15	20.03	
			2					
Ch:90.00m to 101.40m	1	11.40	4.40	+	4.50	0.15	7.61	
			2					
Cross Rd								
Ch:0.00m to 30.00m	1	30.00	5.20	+	3.00	0.15	18.45	
			2					
Ch:30.00m to 50.10m	1	20.10	3.00	+	3.00	0.15	9.05	
			2					
Kogilu Layout								
5th Cross Rd(Left Side)								
Cross Rd-1								
Ch:0.00m to 15.00m	1	15.00	3.50	+	3.50	0.15	7.88	
			2					
Ch:15.00m to 23.40m	1	8.40	3.50	+	4.70	0.15	5.17	
			2					
Cross Rd-2								
Ch:0.00m to 15.00m	1	15.00	3.20	+	3.20	0.15	7.20	
			2					
Ch:15.00m to 30.00m	1	15.00	3.20	+	3.20	0.15	7.20	
			2					
Ch:30.00m to 38.50m	1	8.50	3.20	+	3.30	0.15	4.14	
			2					
						Present Qty	**311.65**	**Cum**

NEWZEN CONSULTANT Consultant Bangalore

27/2/21
Asst. Engineer

Asst. Exec. Engineer.

Scanned by TapScanner